

**SEMICONDUCTOR CIRCUITS AND SYSTEMS MODEL 1011, DEVICE 6B22****TRAINING CATEGORY:**

BASIC SCIENCE (Electronic)

**ORIGINATING AGENCY:**

NAVTRASYSCEN

**SECURITY CLASSIFICATION:**

Device 6B22 is unclassified.

**FUNCTIONAL DESCRIPTION:**

The Semiconductor Electronic Circuit Unit, Device 6B22 consists of twelve (12) printed circuit boards mounted in a rack and is designed for teaching a wide variety of semiconductor circuits and system configurations. Variable components are adjusted from the front of the chassis and printed wiring is visible in the back which allows tracing of various circuits.

Demonstrations may be performed including full and half-wave rectifiers, semiconductor lower supply filters, unregulated and regulated power supplies, oscillator circuits, AM transmitter circuits and system operation, AM receiver circuits and system operation, FM transmitter

and receiver operation, non-sinusoidal circuits and unijunction and SCR applications. A Student Laboratory Manual and Instructor Laboratory Guide are provided.

**EQUIPMENT SUPPLIED:**

One (1) Semiconductor Electronic Circuit Unit, Device 6B22. Over-all dimensions are 14" x 22-1/2" x 31".

**POWER REQUIREMENTS:**

120 VAC, 60 Hz.

**CONTRACT IDENTIFICATION:**

Manufactured by Philco-Ford Corp., Fort Washington, PA under NAVTRASYSCEN Contract No. N61339-69-C-0047.

**LOCAL STOCK NUMBER:**

6940-LL-C00-3579